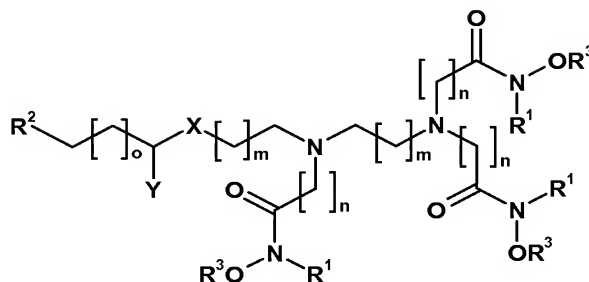


This listing of claims will replace all prior versions, and listings, of claims in the application.

### Listing of Claims:

1. (Previously Presented) A compound having the formula:



where:

n, m and o are, independently, an integer from 1 to about 4;

X is CH<sub>2</sub>, N(R<sup>4</sup>), oxygen or sulfur;

Y is hydrogen, hydroxyl, =O, N(R<sup>4</sup>)(R<sup>5</sup>), or =S;

R<sup>1</sup> is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

R<sup>2</sup> is an activated ester, a carboxylic acid, an alkyl isothiocyanate, an aromatic isothiocyanate or a leaving group;

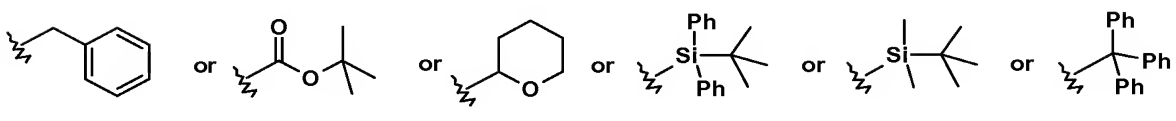
R<sup>3</sup> is hydrogen or a protective group;

R<sup>4</sup> is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group; and

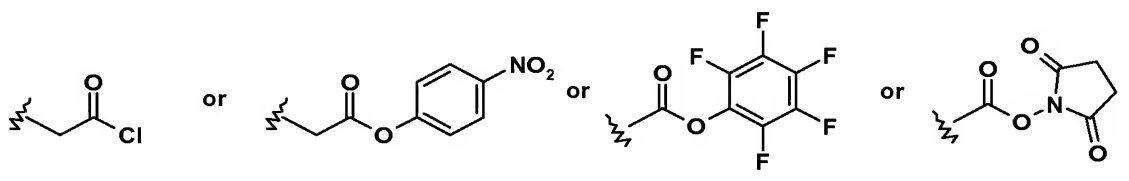
R<sup>5</sup> is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group,

wherein:

said protective group is benzyloxycarbonyl or



said activated ester is

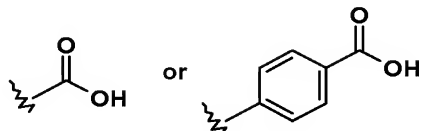


and

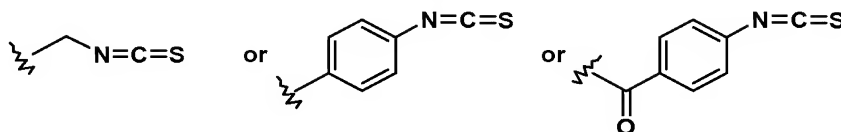
said leaving group is halo, mesylate, tosylate, or trifluorosulfonate.

2. (Canceled)

3. (Previously Presented) The compound of claim 1 wherein the carboxylic acid group is:



4. (Previously Presented) The compound of claim 1 wherein the isothiocyanato group is:



5. (Canceled)

6. (Original) The compound of claim 1 wherein the protective group is tert-butoxycarbonyl or benzyloxycarbonyl.

7. (Original) The compound of claim 1 wherein n is equal to 1 or 2 and m is equal to 1 or 2.

8. (Previously presented) The compound of claim 1 wherein:

n or m or o is 1 or 2;

X is N(R<sup>4</sup>) or oxygen;

Y is hydrogen or =O;

R<sup>1</sup> is hydrogen or methyl;

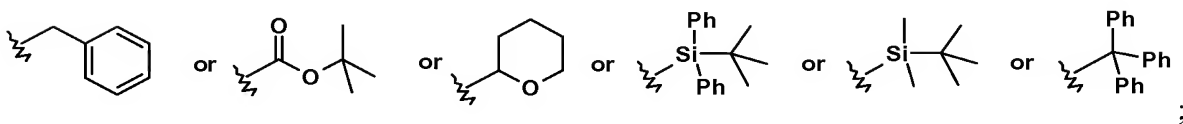
R<sup>2</sup> is *p*-nitrophenyl ester;

R<sup>3</sup> is hydrogen or tert-butyldiphenylsilyl; and

R<sup>4</sup> is methyl, ethyl, propyl or butyl.

The chemical structure shows a complex poly(amide-imine) copolymer. It features a central backbone with repeating units of  $[-CH_2-CH_2-N-CH_2-CH_2-]$  and  $[-CH_2-CH_2-N-CH_2-CH_2-]$  where the nitrogen atoms are part of amide and imine linkages. The structure is substituted with various groups:  $R^1$  and  $R^3$  on the nitrogen atoms,  $OR^3$  on the oxygen atoms, and  $R^2$  on the terminal group. The backbone is also substituted with  $X$  and  $Y$  groups. The structure is shown with various indices  $n$  and  $m$  indicating the number of repeating units.

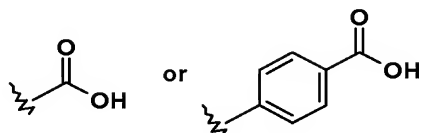
said protective group is benzyloxycarbonyl or



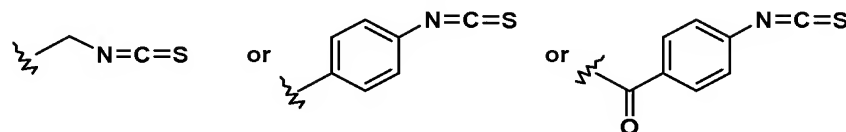
said leaving group is halo, mesylate, tosylate, or trifluorosulfonate.

10. (Canceled)

11. (Previously Presented) The compound of claim 9 wherein the carboxylic acid group is:



12. (Previously Presented) The compound of claim 9 wherein the isothiocyanato group is:



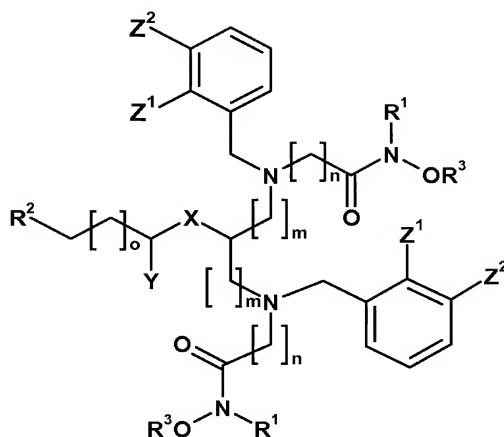
13. (Canceled)

14. (Original) The compound of claim 9, wherein the protecting group is tert-butoxycarbonyl or benzyloxycarbonyl.

15. (Previously Presented) The compound of claim 9 wherein:

- n or m or o is 1 or 2;
- X is N(R<sup>4</sup>) or oxygen;
- Y is hydrogen or carbonyl;
- R<sup>1</sup> is hydrogen or methyl;
- R<sup>2</sup> is *p*-nitrophenyl ester;
- R<sup>3</sup> is hydrogen or tert-butyl diphenylsilyl; and
- R<sup>4</sup> is methyl, ethyl, propyl or butyl.

16. (Previously Presented) A compound having the formula:



where n, m and o are, independently, an integer from 1 to about 4;

X is CH<sub>2</sub>, N(R<sup>4</sup>), oxygen or sulfur;

Y is hydrogen, -OH, =O, N(R<sup>4</sup>)(R<sup>5</sup>), or =S;

R<sup>1</sup> is hydrogen, alkyl having 1 to 4 carbon atoms, or a protective group;

R<sup>2</sup> is an activated ester, a carboxylic acid, or a leaving group;

R<sup>3</sup> is hydrogen or a protective group;

R<sup>4</sup> is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

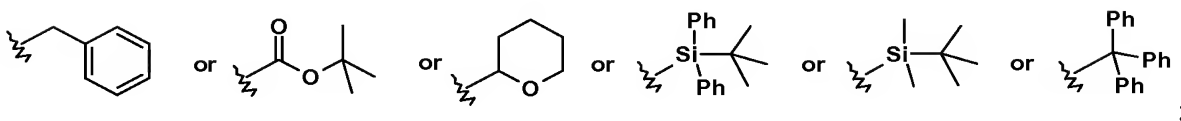
R<sup>5</sup> is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

Z<sup>1</sup> is hydrogen, N(R<sup>4</sup>)(R<sup>5</sup>), -OH, =O, or =S; and

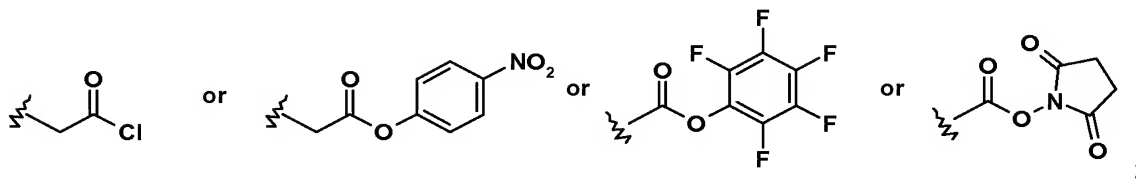
Z<sup>2</sup> is hydrogen, N(R<sup>4</sup>)(R<sup>5</sup>), -OH, =O, or =S;

wherein

said protective group is benzyloxycarbonyl or



said activated ester is

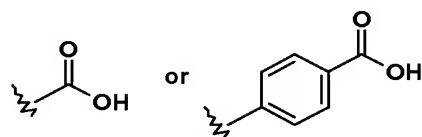


and

said leaving group is halo, mesylate, tosylate, or trifluorosulfonate.

17. (Canceled)

18. (Previously Presented) The compound of claim 16 wherein the carboxylic acid group is:



19-21. (Canceled)

22. (Previously presented) The compound of claim 16 wherein:

n or m or o is 1 or 2;

X is N(R<sup>4</sup>) or oxygen;

Y is hydrogen or =O;

R<sup>1</sup> is hydrogen or methyl;

R<sup>2</sup> is *p*-nitrophenyl ester;

R<sup>3</sup> is hydrogen or tert-butyldiphenylsilyl;

R<sup>4</sup> is methyl, ethyl, propyl or butyl;

Z<sup>1</sup> is -OH; and

Z<sup>2</sup> is hydrogen or -OH.

23. (Original) A pharmaceutical composition comprising a compound according to claim 1 in free or in pharmaceutically acceptable salt form and one or more pharmaceutically acceptable carriers or diluents.

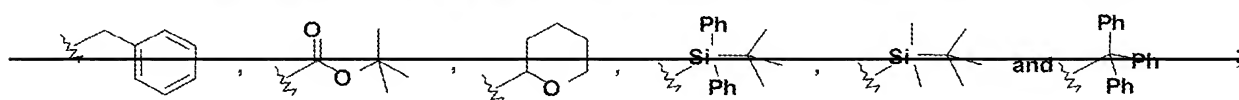
24. (Original) A pharmaceutical composition comprising a compound according to claim 9 in free or in pharmaceutically acceptable salt form and one or more pharmaceutically acceptable carriers or diluents.

25. (Original) A pharmaceutical composition comprising a compound according to claim 16 in free or in pharmaceutically acceptable salt form and one or more pharmaceutically acceptable carriers or diluents.

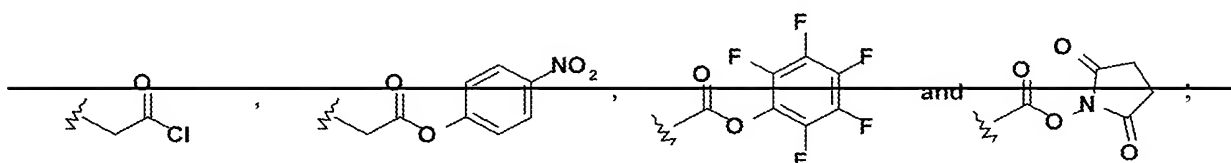
26-36. (Canceled)

37. (Currently Amended) The compound of claim 1 wherein:

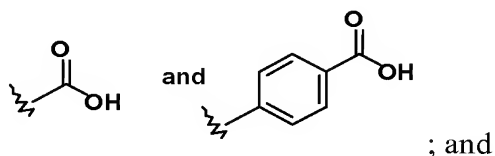
~~said protective group is selected from the group comprising benzyloxycarbonyl,~~



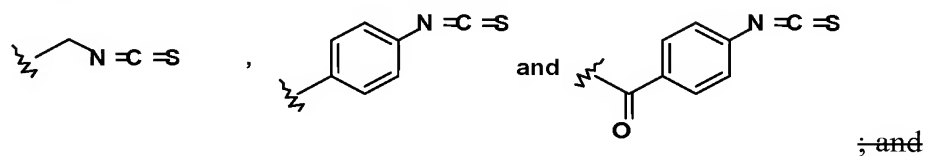
~~said activated ester is selected from the group comprising~~



said carboxylic acid is selected from the group comprising

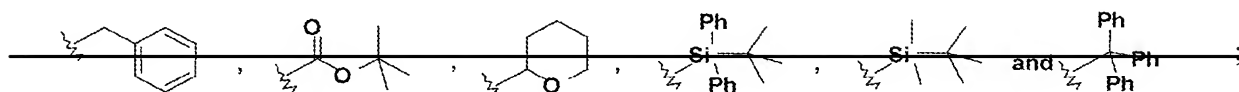


said isothiocyanate is selected from the group comprising

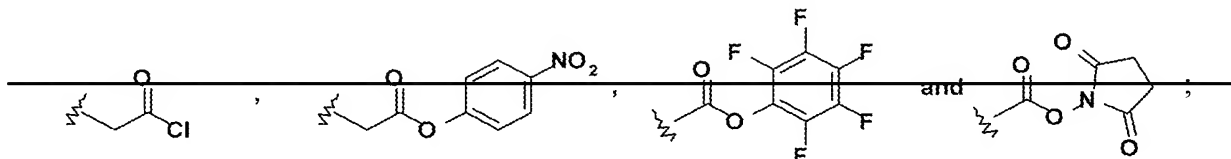


~~said leaving group is selected from the group comprising halo, mesylate, tosylate, and trifluorosulfonate.~~

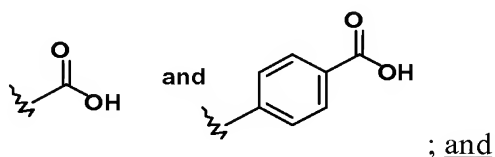
38. (Currently Amended) The compound of claim 9 wherein ~~said protective group is selected from the group comprising benzyloxycarbonyl,~~



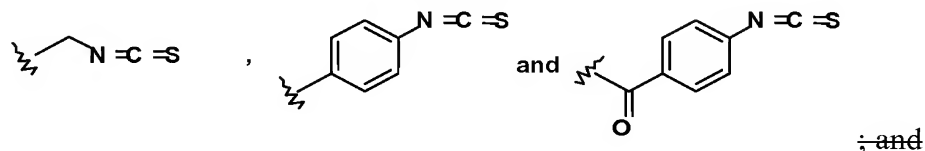
~~said activated ester is selected from the group comprising~~



said carboxylic acid is selected from the group comprising

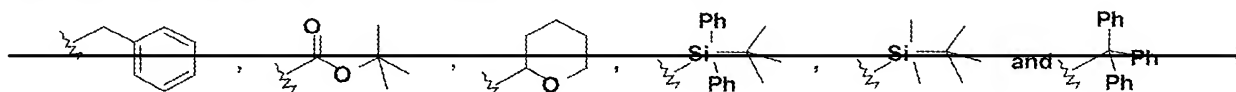


said isothiocyanate is selected from the group comprising



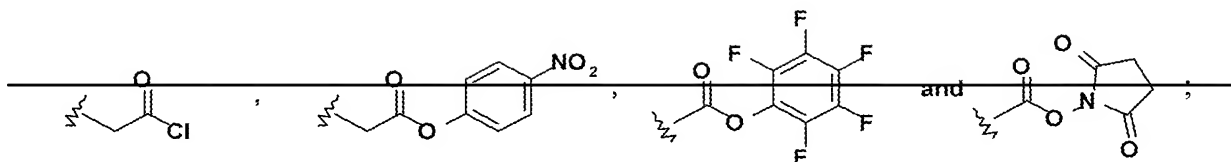
~~said leaving group is selected from the group comprising halo, mesylate, tosylate, and trifluorosulfonate.~~

39. (Currently Amended) The compound of claim 16 wherein ~~said protective group is selected from the group comprising benzyloxycarbonyl,~~

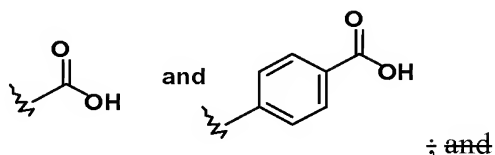


~~said activated ester is selected from the group comprising~~





said carboxylic acid is selected from the group comprising



~~said leaving group is selected from the group comprising halo, mesylate, tosylate, and trifluorosulfonate.~~

40-42. (Canceled)

43. (Currently Amended) A method of treating a disease comprising administering to an animal in need thereof an amount of a compound according to claim 1 complexed with a radionuclide, wherein said amount is effective to treat ~~a~~ the disease and the disease involves selected from the group comprising pituitary tumors, gastroenteropancreatic tumors, central nervous system tumors, breast tumors, prostatic tumors, ovarian tumors, colonic tumors, small cell lung cancer, paragangliomas, neuroblastomas, pheochromocytomas, medullary thyroid carcinomas, myelomas, metastases, ~~and~~ or lymphomas.

44. (Currently Amended) A method of treating a disease comprising administering to an animal in need thereof an amount of a compound according to claim 9 complexed with a radionuclide, wherein said amount is effective to treat ~~a~~ the disease and the disease involves selected from the group comprising pituitary tumors, gastroenteropancreatic tumors, central nervous system tumors, breast tumors, prostatic tumors, ovarian tumors, colonic tumors, small cell lung cancer, paragangliomas, neuroblastomas, pheochromocytomas, medullary thyroid carcinomas, myelomas, metastases, ~~and~~ or lymphomas.

45. (Currently Amended) A method of treating a disease comprising administering to an animal in need thereof an amount of a compound according to claim 16 complexed with a radionuclide, wherein said amount is effective to treat ~~a~~ the disease and the disease involves selected from the group comprising pituitary tumors, gastroenteropancreatic tumors, central nervous system tumors, breast tumors, prostatic tumors, ovarian tumors, colonic tumors, small cell lung cancer, paragangliomas, neuroblastomas, pheochromocytomas, medullary thyroid carcinomas, myelomas, metastases, ~~and~~ or lymphomas.